

CORRECTED VERSION

Rec'd PCT/IPO - 12 APR 2005  
10/531028

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date  
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number  
**WO 2004/036603 A1**(51) International Patent Classification<sup>7</sup>: H01F 5/04, 41/10

ROCHE, Adviomus, A. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). SCHEPENS, Nicolaas, J. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(21) International Application Number:

PCT/IB2003/003950

(74) Agent: DEGUELLE, Wilhelmus, H., G.; Philips Intellectual Property &amp; Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(22) International Filing Date:  
12 September 2003 (12.09.2003)(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

(26) Publication Language: English

(30) Priority Data:  
02079281.8 16 October 2002 (16.10.2002) EP

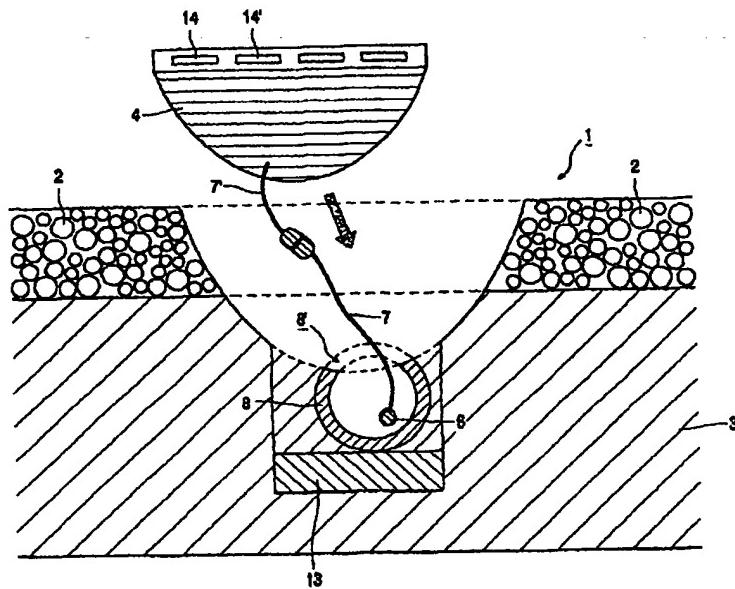
[Continued on next page]

(71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): HOPMANS, Jan, H., M. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN LIMPT, Cornelis, H., P. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(54) Title: LITZ WIRE FIXATION FOR LOW BUILDING HEIGHT



WO 2004/036603 A1

(57) Abstract: The invention relates to a coil (1) comprising at least one pin with an end for anchoring a woven wire, preferably a litz wire resulting in a low building height. Said pin end has a U-shaped part (3) forming a slot (5), said slot (5) has an inner width equal to or smaller than the diameter of the wire (4). It is thereby obtained that the anchoring pin provides a secure anchoring position for the wire during wrapping and that the anchoring pin can be used for litz wire, thereby overcoming the drawbacks in the prior art as well as obtaining a good foundation for the subsequent soldering process. Furthermore it is obtained that height of the coil is smaller than the prior-art coils.